

CURRICULUM OF ALESSIO RUSSO

1 Personal

- **Name:** Alessio Russo
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2 Positions

- **Full Professor of Algebra:** Dec. 2022 - Present; Università della Campania "Luigi Vanvitelli".
- **Associate Professor of Algebra:** Nov. 2014 - Nov. 2022 - Università della Campania "Luigi Vanvitelli".
- **Research Fellow:** Mar. 2000 - Oct. 2004, Università del Salento; Nov. 2004 - Oct. 2014, Università della Campania "Luigi Vanvitelli".

3 Education

- **Post-Doc:** Università degli Studi di Napoli Federico II (1996-1998).
- **Ph.D in Mathematics:** Università degli Studi di Napoli Federico II (1991-1995) - Ph.D. Dissertation: "*Some aspects subnormal subgroups theory of groups*".
- **Degree in Mathematics:** July 1990, *cum laude*, Università di Napoli Federico II - Laurea Dissertation: "*Sul quasianello generato dagli automorfismi interni di un gruppo semplice*".

4 Research Interests

- Generalized soluble groups.
- Finiteness Conditions (Chain Conditions, Finite Rank, FC-groups and generalizations, etc.).
- Embedding properties ((sub)normality and generalizations, pronormality, weakly normality, transitive normality etc.).
- Automorphisms of groups.
- Radical rings and braces.

5 Scientific Publications

- 1) "Infinite groups satisfying a normalizer condition", *Note Mat.* 14 (1994), 203–207.
- 2) "On groups satisfying an extremal condition on subgroups", *Ricerche Mat.* 45 (1996), 37–48 (con C. De Vivo).
- 3) "Finite groups in which normality is a weakly transitive relation", *Ist. Lombardo Accad. Sci. Lett. Rend. A* 130 (1996), 205–219 (con C. De Vivo).
- 4) "Alcuni aspetti della teoria dei sottogruppi subnormali", *PhD Thesis, VI Ciclo* (1995), Biblioteche Nazionali di Roma e Firenze.
- 5) "Groups with dense subnormal subgroups", *Rend. Sem. Mat. Univ. Padova* 110 (1999), 19–27 (con F. de Giovanni).
- 6) "Groups whose non-normal subgroups have a transitive normality relation", *Rend. Circ. Mat. Palermo* 50 (2001), 477–482 (con G. Vincenzi).
- 7) "On hypercentral subgroups of infinite groups", *Math. Slovaca* 52 (2002), 297–307 (con F. de Giovanni).
- 8) "Groups with restricted conjugacy classes", *Serdica Math. J.* 28 (2002), 241–254 (con F. de Giovanni e G. Vincenzi).
- 9) "The infinite dihedral group as automorphism group", *Ricerche Mat.* 51 (2002), 337–339, (in collaborazione con F. de Giovanni).
- 10) "On the derived length of parasoluble groups", *Boll. Un. Mat. Ital.* 6-B (2003), 237–244.
- 11) "Groups whose non-subnormal subgroups have a transitive normality relation", *Bol. Soc. Brasil. Mat.* 34 (2003), 219–229 (con F. de Giovanni e G. Vincenzi).

- 12) "Groups whose non-normal subgroups have finite conjugacy classes", *Math. Proc. Roy. Irish Acad.* 104 A (2) (2004), 177–189 (con L. A. Kurdachenko, J. Otal e G. Vincenzi).
- 13) "The local structure of groups whose non-normal subgroups have finite conjugacy classes", *Advances in Group Theory 2002*, 93–110 (con L. A. Kurdachenko, J. Otal e G. Vincenzi).
- 14) "Soluble groups with extremal conditions on commutators", *Ricerche Mat.* 53 (2004), 73–81.
- 15) "The maximal and minimal conditions for normal subgroups of infinite order or index", *Comm. Algebra* 33 (2005), 183–199 (con F. de Giovanni, D.H.Paek e D.J.S. Robinson).
- 16) "Groups without proper abnormal subgroups", *J. Group Theory* 9 (2006), 507–518 (con L. A. Kurdachenko e G. Vincenzi).
- 17) "Abnormal Subgroups and Carter Subgroups in Some Classes of Infinite Groups", *J. Algebra* 297 (2006), 273–291, (con L. A. Kurdachenko, J. Otal e G. Vincenzi).
- 18) "Groups with all subgroups pronormal-by-finite", *Mediterr. J. Math.* 4 (2007), 65–71, (con F. de Giovanni e G. Vincenzi).
- 19) "On groups which contain no HNN-extensions", *Intern. J. Algebra Comput.* 17 (7) (2007), 1377–1387, (con D.J.S. Robinson e G. Vincenzi).
- 20) "On some groups all subgroups of which are nearly pronormal", *Ukrain. Math. J.* 59 (10) (2007), 1493–1500, (con L. A. Kurdachenko e G. Vincenzi).
- 21) "Infinite groups with short balanced chains of subgroups", *J. Algebra* 319 (2008), 3901–3917, (con L. A. Kurdachenko, I. Ya Subbotin e G. Vincenzi).
- 22) "Groups in which every subgroup is almost pronormal", *Note Mat.* 28(1) (2008), 95–103, (con F. de Giovanni e G. Vincenzi).
- 23) "On groups whose subgroups are closed in the profinite topology", *J. Pure Appl. Algebra* 213 (2009), 421–429, (con D. J. S. Robinson e G. Vincenzi).
- 24) "Groups with many generalized FC-subgroups", *Algebra and Discrete Mathematics* 4 (2009), 158–166, (con G. Vincenzi).
- 25) "On Groups satisfying the maximal and the minimal conditions for subnormal subgroups of Infinite Order or Index", *Bull. Korean Math. Soc.*, 47 (4) (2010), 687–691.
- 26) "On the theory of generalized FC-groups", *J. Algebra* 326 (2011), 218–226, (con D. J. S. Robinson e G. Vincenzi).
- 27) "Groups whose all subgroups are ascendant or self-normalizing", *Cent. Eur. J. Math.* 9(2) (2011), 420–432 (con L. A. Kurdachenko, J. Otal e G. Vincenzi).

- 28) "Groups whose proper subgroups are generalized FC-groups", *J. Algebra Appl.* 10 (6) (2011), 1301–1308 (con D. Imperatore e G. Vincenzi).
- 29) "Generalized FC-groups", *Biblioteca de la Revista Matemática Iberoamericana, Proceedings "Encuentro en Teoría de grupos y sus aplicaciones"* (Zaragoza, 2011), (2012) 243–266 (con E. Romano e G. Vincenzi).
- 30) "On numbers which are orders of nilpotent groups only", *Boll. Un. Mat. Ital.* 5 (1) (2012), 121–124.
- 31) "On groups in which the normality is a transitive relation", *Comm. Algebra* 40 (10) (2012), 3950–3954.
- 32) "On a class of normal endomorphisms of groups", *J. Algebra Appl.* 13 (1) (2014), 135001 (6 pages) (con F. de Giovanni e M. L. Newell).
- 33) "A note on fixed points of automorphisms of infinite groups", *Int. J. Group Theory* 3 (4) (2014), 57–61 (con F. de Giovanni e M. L. Newell).
- 34) "On central endomorphisms of a groups", *Int. J. Group Theory* 4 (3) (2015), 1–5.
- 35) "Groups with finitely many homomorphic images of finite rank", *Algebra Colloq.* 23 (2) (2016), 181–187 (con F. de Giovanni).
- 36) "A note on groups with few isomorphism classes of subgroups", *Colloquium Mathematicum* 144 (2016), 265–271 (con F. de Giovanni).
- 37) "On groups with a restriction on normal subgroups", *Int. J. Group Theory* 7 (1) (2018), 1–4.
- 38) "Groups of finite normal length", *Bull. Austr. Math. Soc.* 97 (2) (2018), 229–239 (con F. de Giovanni).
- 39) "Groups satisfying the double chain condition on abelian subgroups", *Bull. Austr. Math. Soc.* 99 (2) (2019), 212–218 (con M. Brescia).
- 40) "On some theorems of Fitting type", *Adv. Group Theory Appl.* 8 (2019), 41–49.
- 41) "On centralizers of locally finite simple groups", *Mediterr. J. Math.* 16 (5): 114 (2019) (con M. Brescia).
- 42) "Groups whose subgroups satisfy the weak subnormalizer condition", *Beitr. Algebra Geom.* 60 (4) (2019), 645–656 (con R. Esteban-Romero e F. de Giovanni).
- 43) "Groups satisfying the double chain condition on non-abelian subgroups", *J. Algebra Appl.* 19 (8) (2020) (2050145) (con M. Brescia).
- 44) "On cyclic automorphisms of a group", *J. Algebra Appl.* 20 (10) (2021) (2150183) (con M. Brescia).

- 45) "On the pronorm of a group", *Bull. Austr. Math. Soc.* 104 (2)(2021), 287–294 (con M. Brescia).
- 46) "On groups in which many automorphisms are cyclic", *Mathematics* 10 (2)(2022), 262 (con M. Brescia).
- 47) "Groups satisfying the minimal condition on subgroups which are not transitively normal", *Rend. Circ. Mat. Palermo* 71 (1)(2022), 397–405 (con F. de Giovanni e L. A. Kurdachenko).
- 48) "Groups with pronormal deviation", *J. Algebra* 613 (2023), 32–45 (con F. de Giovanni e L. A. Kurdachenko).
- 48) "Groups with subnormal deviation", *Mathematics* 11 (2023), 2635 (con F. de Giovanni e L. A. Kurdachenko).
- 50) "On the central kernel of a group", *Bull. Austr. Math. Soc.*, in corso di stampa.
- 51) "Central endomorphisms of groups and radical rings", *Adv. Group Theory Appl.*, in corso di stampa (con M. Viscusi)